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Flinders
UNIVERSITY

College of Science
& Engineering

2020 Study Plan Template

Graduate Diploma in Engineering Science (Biomedical)

Please note that this document is provided as a guide only. Students are responsible for ensuring that they have completed 36 units of study according to the official course rule available at https://students.flinders.edu.au/my-course/course-rules/postgrad/gdpengsci

Students are responsible for planning their Core and Elective (if applicable) Topics ahead to ensure they meet the topic prerequisites.

A list of all topics, including topic prerequisite information and alternate study period availabilities, is available at Topics 2020.

Key:	
Core Topic	Compulsory topic
Elective Topic	4.5 units of electives must be selected from ENGR topics at 7000 and above.

Core Topics – Biomedical Engineering Pathway B1   Students who have entered with a medical science qualification or biological science based degree must complete 36 units of topics comprising

Semester 1, 2020 start:

Year 1	**S1**	**COMP8801** Computer Programming 2 GE (4.5 units)	**ENGR8731** Microprocessors GE (4.5 units)	**ENGR8761** Engineering Mathematics (4.5 units)	**ENGR8812** Engineering Mechanics (4.5 units)
	S2	**ENGR8703** Electronics GE (4.5 units)	**ENGR8722** Analysis of Engineering Systems GE (4.5 units)	**ENGR8772** Sensors and Actuators (4.5 units)	**ENGR8800** Engineering Programming (4.5 units)

Semester 2, 2020 start:

Year 1	**S2**	**ENGR8703** Electronics GE (4.5 units)	**ENGR8722** Analysis of Engineering Systems GE (4.5 units)	**ENGR8772** Sensors and Actuators (4.5 units)	**ENGR8800** Engineering Programming (4.5 units)
	S1	**COMP8801** Computer Programming 2 GE (4.5 units)	**ENGR8731** Microprocessors GE (4.5 units)	**ENGR8761** Engineering Mathematics (4.5 units)	**ENGR8812** Engineering Mechanics (4.5 units)

Core Topics – Biomedical Engineering Pathway B2   Students who have entered with an engineering degree in a different area must complete 36 units of topics comprising:

Semester 1, 2020 start:

Year 1	**S1**	**COMP8801** Computer Programming 2 GE (4.5 units)	**ENGR8731** Microprocessors GE (4.5 units)	**ENGR8761** Engineering Mathematics (4.5 units)	**MMED8931** Human Physiology GE (4.5 units)
	S2	**ENGR8703** Electronics GE (4.5 units)	**ENGR8722** Analysis of Engineering Systems GE (4.5 units)	**ENGR8772** Sensors and Actuators (4.5 units)	**ENGR8800** Engineering Programming (4.5 units)

Semester 2, 2020 start:

Year 1	**S2**	**ENGR8703** Electronics GE (4.5 units)	**ENGR8722** Analysis of Engineering Systems GE (4.5 units)	**ENGR8772** Sensors and Actuators (4.5 units)	**ENGR8800** Engineering Programming (4.5 units)
	S1	**COMP8801** Computer Programming 2 GE (4.5 units)	**ENGR8731** Microprocessors GE (4.5 units)	**ENGR8761** Engineering Mathematics (4.5 units)	**MMED8931** Human Physiology GE (4.5 units)

Core and Elective Topics – Biomedical Engineering Pathway B3 Students who have entered with an Australian TAFE Diploma or Advance Diploma electronics qualification plus 7 years work experience must complete 36 units of topics comprising:

Semester 1, 2020 start:

Year 1	**S1**	**COMP8801** Computer Programming 2 GE (4.5 units)	**ENGR8761** Engineering Mathematics (4.5 units)	**ENGR8812** Engineering Mechanics (4.5 units)	**MMED8931** Human Physiology GE (4.5 units)
	S2	**ENGR8722** Analysis of Engineering Systems GE (4.5 units)	**ENGR8752** Engineering Physics and Materials GE (4.5 units)	**ENGR8800** Engineering Programming (4.5 units)	Elective

Semester 2, 2020 start:

Year 1	**S2**	**ENGR8722** Analysis of Engineering Systems GE (4.5 units)	**ENGR8752** Engineering Physics and Materials GE (4.5 units)	**ENGR8800** Engineering Programming (4.5 units)	Elective
	S1	**COMP8801** Computer Programming 2 GE (4.5 units)	**ENGR8761** Engineering Mathematics (4.5 units)	**ENGR8812** Engineering Mechanics (4.5 units)	**MMED8931** Human Physiology GE (4.5 units)